Met Office Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Sunday 24 Sep 2023 until 23:59 on Monday 25 Sep 2023

Forecast Issued on Saturday 23 Sep 2023 at 15:57

Confidence: High confidence for turning more unsettled, with rain and strong winds. Lower confidence for the potential for stormy conditions midweek.

Headline for Sunday 24 Sep 2023: Cloudy, with spells of rain, locally heavy at times, during the morning. Drier and brighter into the afternoon. Gusty winds on the summits.

Mountain weather hazards on Sunday 24 Sep 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
No Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Light rain	Heavy Rain	Heavy Rain	Heavy Rain	Cloudy	Cloudy	Light rain
Precipitation probability							
90%	60%	80%	80%	80%	20%	20%	60%

Forecast for Sunday 24 Sep 2023

Weather: Cloudy, with persistent rain, locally heavy at times, especially on south and southwestern upslope, gradually moving northeastwards during the morning. The rain should clear to the north by early afternoon, with most places becoming largely dry, albeit rather cloudy, with occasional brighter spells to the north and east of higher ground. Low cloud is likely to persist on the south and west facing summits throughout the day. A further band of rain, locally heavy, will arrive from the west by midnight.

Chance of cloud-free hill tops above 600m: 10% throughout the day on the summits, improving to 60% elsewhere, especially to the north and east of higher ground.

Low Cloud and visibility: Cloud bases down to 200-400m on southern and western facing slopes throughout the day. Visibility will be very poor in heavy rain overnight and during the morning, although gradually improving to become good or very good by late-afternoon and evening.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Sunday 24 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/34 S	21/31 S	19/28 S	20/28 S	24/36 S	25/39 S	28/43 S	30/46 S	24/38 SW
300	12/28 S	12/27 S	11/25 S	12/25 S	15/32 S	18/37 S	19/39 S	19/41 S	17/35 SW
Valley	11/30 S	12/28 S	11/25 S	11/25 S	14/31 S	13/30 S	18/38 S	19/41 S	15/32 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/4	9/6	11/7	12/9	13/9	13/9	13/8	12/8	12/8
300	10/8	11/8	12/10	14/12	15/12	16/12	15/12	14/11	14/11
Valley	12/10	13/11	14/12	16/14	16/14	17/15	17/14	16/12	15/12
Freezing Level*	3000m	2500m	2500m	2800m	3300m	2900m	2400m	3000m	2500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Winds will be strengthening to reach gale force on the summits during Sunday, with gusts up to 45-50mph, especially later in the day. Extra care will need to be taken if spending any length of time walking or hiking on the hills, with extra layers and water proof clothing needed. Suitable footwear will be required as underfoot will be muddy and slippery on some surfaces.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 23 Sep 2023	7.6mm	8.8mm	13.8mm

Forecast for Monday 25 Sep 2023

Weather: A band of rain, locally heavy, will quickly move eastwards, clearing shortly after midnight. Becoming dry with some clear spells developing, especially to the north and east of higher ground. Monday will see a mixture of sunny spells and frequent showers. The showers are likely to be heavy and possibly thundery at times, especially during the afternoon. Any daytime showers easing to leave a dry end to the day, with clear spells developing for most.

Maximum wind: South to southwesterly 35-40mph, gusting 45-50mph, espeically overnight and during the morning, becoming southwesterly 20-25mph, gusting 30-40mph. Winds gradually easing late in the day.

Chance of cloud-free hill tops above 600m: 10% chance first thing, improving to 90%.

Low Cloud and visibility: Cloud bases down to 300-400m at first, before lifting above the summits. Visibility will be poor in heavy rain at first, improving to become very good.

Temperature: **Valleys:** Plus 12 Celsius, becoming Plus 19 Celsius.
At 600m: Plus 9 Celsius, becoming Plus 12 Celsius.
Freezing level: Above the summits.

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